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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY	Poland		REPORT						
SUBJECT	Installation for Pr Enrichment of Low-G Iron Ore at Sabinow Czestochowa	rade Soviet	DATE DISTR. NO. PAGES REFERENCES	29 MAR 1958					
DATE OF INFO. PLACE & DATE ACQ			APPRAISAL OF CONTENT	25X1					
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1.	it is processed blast furnaces reason, a proce procedure in bl content is obta in 1952 and wen	ied by the USSR waverage content 2 in the caking pl which get choked as of enrichment ast furnaces has ined. The plant	ith iron ore with 5%. This is secondart, there are diffup and slow up or of the iron ore sibeen adopted; for for carrying out tin 1956; it serves	a maximum content d-class ore; when cleulties in the stop work. For this					
	of another plan by Biprohut (Biu bureau for the	t at Zebiec near ro Projektowania foundry industry)	Ilza. The whole Urzadem Przemyslu , Gliwice (Gleiwit	un on the construction project was worked but APRA 58 Hutniczego - project 25X1 z), ul. Dubois 16. The Wasylewicz 2fhall heelphicz					
	practical super	vision of Ing. St	anislaw Sasiadek	ne work of construction 25X1					
	was carried out	by Mostostal of re provided by th	Zabrze. Funds for e Ministry of Mini	investment in the					
2.	Location (see sketch map - the plant is marked (M)) - hoter exact the location (see sketch map - the plant is marked (M)) - hoter than the location of the southern the core enrichment plant, known as Zelgruda Sabinov is on the southern								
	outskirts of Sabino continuation of the point where this ro	w, about 4 km. so road from Czesto ad branches off, nches off on the	uth of Czestochowa chowa, has been bu a new transformer	. A new road, a					
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(Note: Washin	ngton distribution indicated by "X"; Fi	eld distribution by "#".)	1,						

NFORMATION REPORT INFORMATION REPORT



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Tecl	mical data					
-	The procedure for					
b.	is known as a "mul material (mainly tore with 80% Fe con Equipment includes a slant of 30, and slant of 20. The the products of Hu cover 20 mm. thick which is ordinary according to hardr of making the C.4. The furnaces are we Czechoslovakia; at thick; at other paragund their axis,	the Fe) by a content. I two rotary furnaces control ferum (co., of 0.45 quality. Walled with the hottestarts, 250 mm.	furnaces 60 m furnace 70 m. nsist of 11 pa over designati nality steel p 15, the first Ferum is the three thicknes t points, the , and finally	cotation, thu long, diametric riveted to H124), for lating (qualitype of stee only foundry ses of "Atu"ty layer of brid 125 mm. The	eter 3.6 m., er 4.2 m., wogether, whi ties range for plating, u in Poland carries bricks from the bricks from the bricks from the formaces rounders	pure with ith a ch are er rom 00, pwards, pable
1	ar dana onerr arrol	etric motors	for each furn serious probl	ace, one of venture in	which is a reported production po	int of
d.	There are two electrons preserview in Poland, armodifications, of	some factor	y in Cracow.			_
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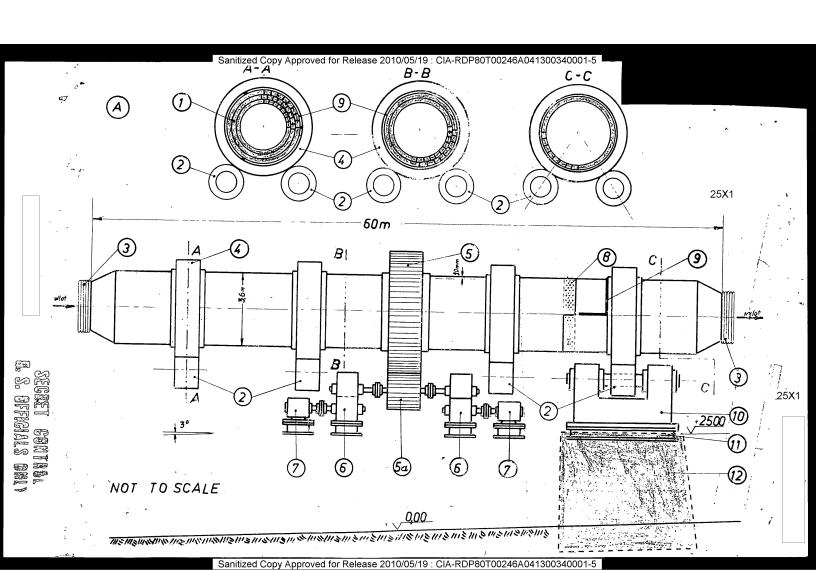
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Ker to lake tel of furnace (Shetch A).

- 1) Brick lining, in A A, three layers 125 mm. thick, i.e. 375 mm; in B B, two layers, i.e. 250 mm. thick, and in C C, 125 mm. thick.
- ii) Bearings supporting the furnace.
- 111) Ormanustor, at each end
- (v) Rotary bearings firmly serewed into the furnace casing and resting on the supporting bearings (2).
- v) Gear wheel for rotating the furnace, riveted into the casing
- va) Spur gearing which, with the wheel, rotates the furnace
- vi) Transmission mechanism from electric motor to gearing
- vii) Electric motors, on of which, with one set of gearing, is in reserve.
- viii) Furnace casing, 20 mm. thick, riveted, in 11 perts.
- ix) Lining under rotary bearings, steel plating 20 mm. thick.
- x) Bearing supports, four-fold, two-axle.
- 21) Framework for bearing supports, screwed into a concrete base
- ziii) Perro-concrete house MY 200 Lee. 30 kg. Iron to the fille metro.



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Key to sketch of process of ore employment (see sketch B)

- i) Ferro-concrete building 30 x 20 m.,5m. high, containing coal dust chember with several circular mills for grinding coal dust used in the furnaces, which takes up the largest space; ventilators and conveyor mechanism.
- and iron one are brought into the furnace by conveyor.
- 111) Ferro-concrete building, about 40 x 30 m. and 10 m. high, containing, in addition to conveyor mechanism and ventilators, the "multicyclone", which was built in Foland according to Czechoslovak design.

25X1

